

## Claims

1. An elevator hoisting machine of a thin type having a sheave whose thickness in a rotation centerline direction is thinner than an outside dimension in a radial direction, the elevator hoisting machine being characterized by comprising a stator mounting portion that supports a stator core of a motor provided in a surface of a side opposite to a sheave in the sheave rotation centerline direction of the hoisting machine, and a fixed main shaft that supports rotation of a rotor through a bearing, and is characterized in that a fixed frame member provided with a hat shape cross sectional shape is provided in a vicinity of a brake device mounting portion.

2. An elevator hoisting machine of a thin type according to claim 1, having a sheave whose thickness in a rotation centerline direction is thinner than an outside dimension in a radial direction, the elevator hoisting machine being characterized by comprising a stator mounting portion at which a stator core of a motor is mounted to a surface of a side relative to the sheave in a sheave rotation centerline direction of the hoisting machine, and is characterized in that a fixed main shaft that supports rotation of a rotor through a bearing is jointed to a fixed frame member provided with a hat shape cross sectional shape in a vicinity of a brake device mounting portion, making a fixed member.

3. An elevator hoisting machine according to claim 1 or 2, in which a hoisting machine has a radial-gap type motor comprising a cylindrical rotor mounting portion and a stator mounting portion disposed in a radial direction of rotation, maintaining a gap with the rotor mounting portion, the elevator hoisting machine being characterized in that a brake device in which an inner radial surface of the cylindrical rotor mounting portion forms a braking surface is mounted to the fixed frame member.

4. An elevator hoisting machine according to any one of claims 1 to 3, characterized in that the brake device is provided having a structure in which an opening portion is provided in a region adjacent to the braking surface of the rotor mounting portion of the fixed frame member, and a braking shaft of the brake device is pushed against the braking surface of the rotor, through the opening portion.

5. An elevator hoisting machine according to any one of claims 1 to 4, characterized in that an injection opening for supplying lubricating oil to a bearing and a discharge opening for discharging lubricating oil from the bearing are provided in a surface on a side opposite to the sheave in the sheave rotation centerline direction of the frame member.

6. An elevator hoisting machine according to any one of claims 1 to 5, characterized in that a guide way for the lubricating oil discharged from the bearing portion is provided to the fixed frame member.

7. An elevator hoisting machine according to any one of claims 1 to 6, characterized in that a blower fan is attached to an inner portion of the fixed frame member.

8. An elevator hoisting machine according to any one of claims 1 to 7, characterized in that the fixed frame member is extended to a side opposite to the sheave of the fixed main shaft, and the extended portion and the brake device, or an attachment plate that securely fastens to the brake device, make a fitted structure and form a closed structure.

9. An elevator hoisting machine according to any one of claims 1 to 7, characterized in that the fixed frame member and the brake device, or an attachment plate that securely fastens to the brake device, are securely fastened at a side opposite to the sheave of the fixed main shaft of the fixed frame member, and the brake device or the attachment plate securely fastens to the brake device, and a second extension portion of the fixed frame member are securely

fastened, forming a closed structure.

10. An elevator hoisting machine according to any one of claims 1 to 9, characterized in that the sheave and a rotation frame member are integrated.

11. An elevator hoisting machine according to any one of claims 1 to 9, characterized in that the sheave and a rotation frame member are separate members.

12. A motor, characterized in that the width in a rotation centerline direction of a magnet that constitutes a rotor is larger than the width in the rotation centerline direction of a stator core.

13. An elevator hoisting machine according to any one of claims 1 to 12, characterized in that the elevator hoisting machine is provided with the motor of claim 10.